Question 1: If a, b and c are unit vectors, then $|a - b|^2 + |b - c|^2 + |c - a|^2$ does not exceed

- A) 4
- B) 9
- C) 8
- D) 6

Ans |a-b|2+ |b-c|2+ |c-a|2 = 2 (at lite -2 (abbt b.c+c. and |a|= | lel = |cl= | = 6-9 (athtc)2- et-li-c2g = 6 - (athtc)2 +3 = 9 - (athtc) = 9 Ana B